



April 28, 2010

RE: **Immediate Action test change notification**

Dear Valued Client:

The following pages detail important information regarding a test requiring database modifications. Please be advised that this urgent change is effective **May 10, 2010**.

Please use this packet of information to update your computer systems/records. This change is important to ensure standardization of our mutual laboratory databases.

If you have any questions about the information contained in this packet, please call our Client Support Department at (866) 522-2206. Thank you for your continued support of NMS Labs and your assistance in implementing this change.

Sincerely,

NMS Labs

**Database Changes - Summary**

Test Code	Test Name	New Test	Scope	Specimen Reqs	Stability	Discontinued	Reference comment	Misc.
3996SP	Bufotenine/Psilocybin, Serum/Plasma					•		
3996U	Bufotenine/Psilocybin Metabolite, Urine					•		
4027SP	Psilocybin Metabolite, Serum/Plasma					•		
4027TI	Psilocybin Metabolite, Tissue					•		
4027U	Psilocybin Metabolite, Urine					•		
5496U	Bufotenine/Psilocybin Metabolite Confirmation, Urine			•	•		•	
5570SP	Psilocybin Metabolite Confirmation, Serum/Plasma (Forensic)	•						
8074U	Drug Impaired Driving/DRE Toxicology Hallucinogens Add-On, Urine (Forensic)			•	•			
8760SP	Hallucinogens Profile, Serum/Plasma (Forensic)		•		•		•	•
8760U	Hallucinogens Profile, Urine (Forensic)			•	•		•	

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Updates effective:  
May 10, 2010

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## NEW TESTS

Test Code	Test Name	Reporting Limit	Units	Method / CPT Code	
<b>5570SP</b>	<b>Psilocybin Metabolite Confirmation, Serum/Plasma (Forensic)</b>				
	Scope of Analysis:	Psilocin	2.5	ng/mL	LC-MS/MS (82542)
	Reference Comment:	Psilocin, the dephosphorylated, pharmacologically active hallucinogenic component of psilocybin, is usually present in lesser amounts in certain species of mushrooms and it is formed in the body as a metabolite following psilocybin ingestion.			
	Specimen Requirements:	Specimen Requirements: 5 mL Serum or Plasma Transport Temperature: Frozen Specimen Container: Plastic container (preservative-free) Light Protection: Yes Special Handling: Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial using approved guidelines. Rejection Criteria: Not received Light Protected. Received Room Temperature. Received Refrigerated. Polymer gel separation tube (SST or PST).			
	Stability:	Room Temperature: Not Stable Refrigerated: Not Stable Frozen (-20 °C): 1 day(s)			
		Psilocin and bufotenine are tested and reported as qualitative results because these compounds have limited stability in all biological matrices. While a positive result is evidence of use or exposure, a negative result does not rule out use of these drugs.			

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**TEST UPDATES**

**Method/CPT Code\*, Units of Measurement, Scope of Analysis and Specimen Requirements**

Test Code	Test Name	Units	Method / CPT Code
5496U	<b>Bufotenine/Psilocybin Metabolite Confirmation, Urine</b> Scope of Analysis: Bufotenine 5.0 Reference Comment: Bufotenine is a tryptamine alkaloid found in the skin of some species of toads, mushrooms, and higher plants. It has hallucinogenic properties. Psilocin – Total 5.0 Reference Comment: This analysis reports the total of unconjugated plus conjugated Psilocin. Specimen Requirements: Specimen Requirements: 3 mL Urine Transport Temperature: Frozen Specimen Container: Plastic container (preservative-free) Light Protection: Yes Special Handling: None Rejection Criteria: Not received Light Protected. Received Room Temperature. Received Refrigerated.	ng/mL	LC-MS/MS (83789)
	Stability: Room Temperature: Not Stable Refrigerated: Not Stable Frozen (-20 °C): Not Stable  Psilocin and bufotenine are tested and reported as qualitative results because these compounds have limited stability in all biological matrices. While a positive result is evidence of use or exposure, a negative result does not rule out use of these drugs.		
	Summary of Updates: For Quality Improvement purposes the following updates were made. Reference comments were changed. Requested volume was changed. Transport Temperature was changed. Specimen Container was changed. Stability was changed.		

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May 10, 2010

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**TEST UPDATES**

**Method/CPT Code\*, Units of Measurement, Scope of Analysis and Specimen Requirements**

Test Code	Test Name	Units	Method / CPT Code
8074U	<b>Drug Impaired Driving/DRE Toxicology Hallucinogens Add-On, Urine (Forensic)</b> Specimen Requirements: Specimen Requirements: 9 mL Urine Transport Temperature: Frozen Specimen Container: Plastic container (preservative-free) Light Protection: Yes Special Handling: Glass containers are not acceptable. Rejection Criteria: Not received Light Protected. Glass container.		
	Stability: Room Temperature: Undetermined Refrigerated: Undetermined Frozen (-20 °C): Undetermined  Psilocin and bufotenine are tested and reported as qualitative results because these compounds have limited stability in all biological matrices. While a positive result is evidence of use or exposure, a negative result does not rule out use of these drugs.		
	Summary of Updates: For Quality Improvement purposes the following updates were made. Requested volume was changed. Transport Temperature was changed. Specimen Container was changed. Stability was changed.		

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**TEST UPDATES**

**Method/CPT Code\*, Units of Measurement, Scope of Analysis and Specimen Requirements**

Test Code	Test Name	Units	Method / CPT Code
8760SP	<b>Hallucinogens Profile, Serum/Plasma (Forensic)</b>		
	Compound: Psilocin	2.5	ng/mL
	Reference Comment: Psilocin, the dephosphorylated, pharmacologically active hallucinogenic component of psilocybin, is usually present in lesser amounts in certain species of mushrooms and it is formed in the body as a metabolite following psilocybin ingestion.		LC-MS/MS (83789)
	Specimen Requirements: Specimen Requirements: 10 mL Serum or Plasma Transport Temperature: Frozen Specimen Container: Plastic container (preservative-free) Light Protection: Yes Special Handling: Glass containers are not acceptable. Collect sample in Gray top tube (Sodium Fluoride / Potassium Oxalate). Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial using approved guidelines. Rejection Criteria: Not received Light Protected. Glass container. Polymer gel separation tube (SST or PST).		
	Stability: Room Temperature: Undetermined Refrigerated: Undetermined Frozen (-20 °C): Undetermined		
	Psilocin and bufotenine are tested and reported as qualitative results because these compounds have limited stability in all biological matrices. While a positive result is evidence of use or exposure, a negative result does not rule out use of these drugs.		
	Summary of Updates: For Quality Improvement purposes the following updates were made. Bufotenine was removed. Reference comment was changed. Psilocin: Confirmation testing is automatically performed on all positive findings [Confirmation Acode: 5570SP] Specimen Container was changed. Stability was changed.		

**TEST UPDATES**

**Method/CPT Code\*, Units of Measurement, Scope of Analysis and Specimen Requirements**

Test Code	Test Name	Units	Method / CPT Code
<b>8760U</b>	<b>Hallucinogens Profile, Urine (Forensic)</b>		
	Scope of Analysis: Bufotenine	5.0	ng/mL
	Reference Comment: Bufotenine is a tryptamine alkaloid found in the skin of some species of toads, mushrooms, and higher plants. It has hallucinogenic properties.		LC-MS/MS (83789)
	Scope of Analysis: Psilocin - Total	5.0	ng/mL
	Reference Comment: This analysis reports the total of unconjugated plus conjugated Psilocin.		
	Specimen Requirements: Specimen Requirements: 10 mL Urine Transport Temperature: Frozen Specimen Container: Plastic container (preservative-free) Light Protection: Yes Special Handling: Glass containers are not acceptable. Rejection Criteria: Not received Light Protected. Glass container.		
	Stability: Room Temperature: Undetermined Refrigerated: Undetermined Frozen (-20 °C): Undetermined		
	Psilocin and bufotenine are tested and reported as qualitative results because these compounds have limited stability in all biological matrices. While a positive result is evidence of use or exposure, a negative result does not rule out use of these drugs.		
	Summary of Updates: For Quality Improvement purposes the following updates were made. Reference comments were changed. Requested volume was changed. Transport Temperature was changed. Specimen Container was changed. Stability was changed.		

**DISCONTINUED TESTS**

Test Code	Test Name	Alternative Test
3996SP	Bufotenine/Psilocybin, Serum/Plasma	No alternate test available
3996U	Bufotenine/Psilocybin Metabolite, Urine	No alternate test available
4027SP	Psilocybin Metabolite, Serum/Plasma	No alternate test available
4027TI	Psilocybin Metabolite, Tissue	No alternate test available
4027U	Psilocybin Metabolite, Urine	No alternate test available